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Phase and amplitude detector of electromagnetic waves from pixels operating in visible, UV and IR wavelengths

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Inventor: SCHWARTE RUDOLF (DE)
Applicant: SCHWARTE RUDOLF (DE)
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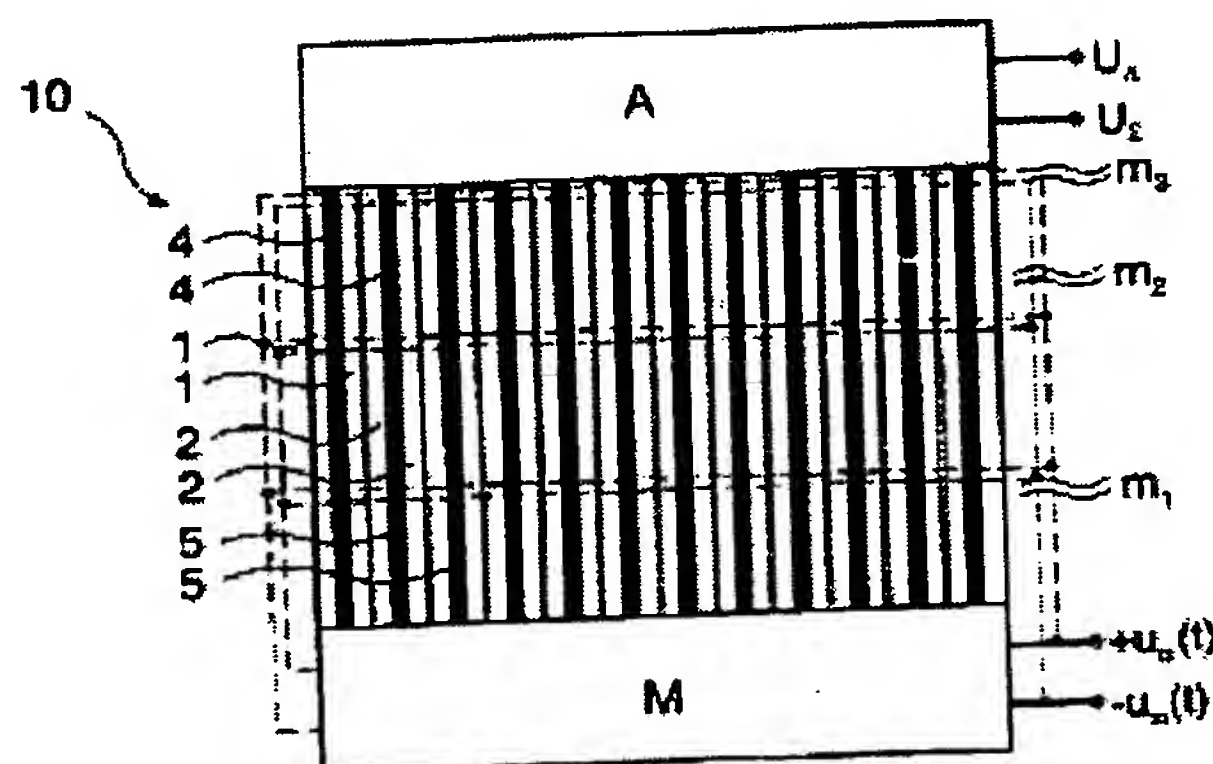
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Abstract of DE19821974

The detector uses long, small arrays of gates (1,2) switched and modulated via connections (m1-m3) to record from each pixel (10), using accumulation gates (4,5) in the form of long parallel strips which groupwise form a PMD-pixel and act as a read diode whose cathode forms a readout electrode. Independent claims are included for use of the detector in an imaging camera, signal processing, optical PLL i.e. DLL, or a 2Q-PMD-DLL based on a IQ-PMD-receiver, and a method for illuminating a scene using the detector to modulate



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